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July 24, 2006

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Art Unit 1624

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Re:

U.S. Utility Patent Application

Application No. 09/518,501; Filed: March 3, 2000 For: Novel Phosphorus-containing Prodrugs

Inventors:

Erion et al.

Our Ref:

2358.0010002/RWE/CJW

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Supplemental Information Disclosure Statement;
- 2. Form PTO/SB/08A (1 sheet);
- 3. Form PTO/SB/08B (1 sheet);
- 4. Copies of thirteen (12) references (Documents B6, B7 and C128-C137); and
- 5. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC.: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f 202.371.2540: www.skgf.com

Commissioner for Patents July 24, 2006 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Christopher J. Walsh Attorney for Applicants Registration No. 55,709

CJW/dab 561165_1.DOC Enclosures JUL 2 4 2008

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Confirmation No.: 7608

Erion et al.

Art Unit: 1624

Appl. No.: 09/518,501

Examiner: T. McKenzie

Filed: March 3, 2000

Atty. Docket: 2358.0010002/RWE/CJW

For: Novel Phosphorus-containing

Prodrugs

Supplemental Information Disclosure Statement

Mail Stop Amendment

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying IDS Forms are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. The numbering on this Supplemental Information Disclosure Statement is a continuation of the numbering in Applicants' Supplemental Information Disclosure Statement filed on March 28, 2006, in connection with the above-captioned application. Copies of documents B6, B7 and C128-C137 are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), no copies of U.S. patents and patent application publications cited on the attached IDS Forms are submitted.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based

on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return a copy of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Christopher J. Walsh Attorney for Applicants Registration No. 55,709

Date: July 24, 2006

1100 New York Avenue, N.W. Washington, D.C. 20005-3934 (202) 371-2600

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Sheet

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Complete if Known				
Application Number	09/518,501			
Filing Date	March 3, 2000			
First Named Inventor	Mark D. Erion			
Art Unit	1624			
Examiner Name	T. McKenzie			
Attorney Docket Number	2358.0010002/RWE/CJW (MTI-013)			

		U.S. PATENT DO	DCUMENTS	
Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or	Pages, Columns, Lines,
	Number-Kind Code ^{2 (If Known)}		Applicant of Cited Document	Where Relevant Passages or Relevant Figures Appear
A15	4,952,740	08-28-1990	Juge et al.	
A16	5,130,303	07-14-1992	Akiyama et al.	
A17	5,962,522	10-05-1999	Wacher et al.	
A18	6,004,927	12-21-1999	Benet et al.	
A19	6,028,054	02-22-2000	Benet et al.	
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			FOREIGN PATE	ENT DOCUMENTS		
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD- YYYY		Relevant Passages or Relevant Figures Appear	Τ°
	В6	WO 90/08155 A1	07-26-1990	Board of Regents-Univ. of Texas		
	B7	WO 90/10636 A1	09-20-1990	Board of Regents-Univ. of Texas		
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Under the Paperwork Reduction Act of 1990 no persons are n to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449/PTO Complete if Known 09/518,501 **Application Number SUPPLEMENTAL** March 3, 2000 Filing Date INFORMATION DISCLOSURE First Named Inventor Mark D. Erion STATEMENT BY APPLICANT Art Unit 1624 (Use as many sheets as necessary) T. McKenzie **Examiner Name** Sheet of Attorney Docket Number 2358.0010002/RWE/CJW (MTI-013)

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
	C128	ARNÉR, E.S.J. and ERIKSSON, S., "Mammalian Deoxyribonculeoside Kinases," <i>Pharmac. Ther.</i> 67(2): 155-186, Elsevier Science Ltd. (1995).	
	C129	ELLIOTT, R.L. <i>et al.</i> , "Synthesis and Biological Evaluation of Phosphonamidate Peptide Inhibitors of Enkephalinase and Angiotensin-Converting Enzyme," <i>J. Med. Chem.</i> 28: 1208-1216, American Chemical Society (1985).	
	C130	ERION, M.D. et al., "HepDirect Prodrugs for Targeting Nucleotide-Based Antiviral Drugs to the Liver," Current Opinion in Investigational Drugs 7(2): 109-117, The Thomson Corporation (2006).	
	C131	FREEMAN, S. and ROSS, K., "Prodrug Design for Phosphates and Phosphonates," Progress in Medicinal Chemistry 34: 111-147, Elsevier Science B.V. (1997).	
	C132	GORENSTEIN, D.G. et al., "Stereoelectronic Effects in the Reactions of Epimeric 2-Aryloxy-2-oxy-1,3,2-dioxaphosphorinanes and Oxazaphosphorinanes," J. Am. Chem. Soc. 102: 5077-5081, American Chemical Society (1980).	
	C133	HULST, R. et al., "A New ³¹ P NMR Method for the Enantiomeric Excess Determination of Alcohols, Amines and Amino Acid Esters," <i>Tetrahedron Letters</i> 34(8): 1339-1342, Pergamon Press Ltd. (1993).	
	C134	LOREY, M. and MEIER, C., "A New Cyclic Phosphoramidate D4T Prodrug Approach CycloAmb-D4T-Phosphoramidates," <i>Nucleosides & Nucleotides</i> 18(4&5): 947-948, Marcel Dekker, Inc. (1999).	
	C135	MERCKLING, F.A. and RÜEDI, P., "Diasteroselectivity in Nucleophilic Displacement Reactions at Phosphorus; Isolation and Characterization of a Pentacoordinated Intermediate," <i>Tetrahedron Letters</i> 37(13): 2217-2220, Elsevier Science Ltd. (1996).	
	C136	REDDY, K.R. et al., "Stereoselective Synthesis of Nucleoside Monophosphate HepDirect TM Prodrugs," <i>Tetrahedron Letters</i> 46: 4321-4324, Elsevier Ltd. (2005).	
	C137	TEN HOEVE, W. and WYNBERG, H. "The Design of Resolving Agents. Chiral Cyclic Phosphoric Acids," <i>J. Org. Chem.</i> 50: 4508-4514, American Chemical Society (1985).	

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Examiner	-	Date	
Signature		Considered	

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1 Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.